EXHIBIT B



Crossroads Systems, Inc.

INVENTION DISCLOSURE FORM PART ONE

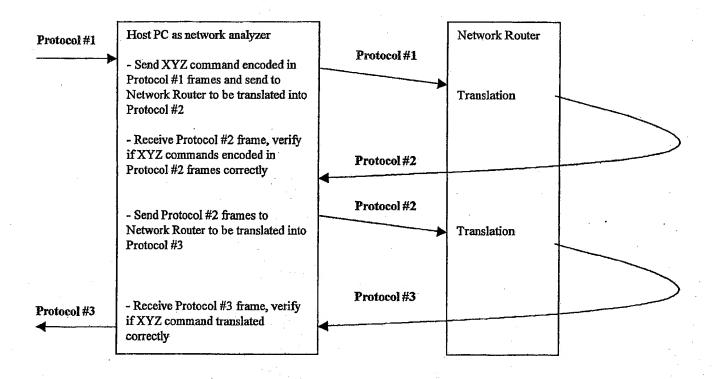
MILLIAM	PART ONE
	criptive title for the Invention. [Example: Parallel Processing Using Peripheral Device
Network analyzer/si	niffer with multiple protocol capabilities.
2. Application: Wh	nat current project or projects at Crossroads does the Invention relate to?
	nt would focus on the Aspen ATM router, but the concepts would be readily agreeable to other equiring a routing implementation of one communications protocol to another.
[Example: This inve	ntion: Give both general and specific descriptions of the field to which the Invention relates. ntion relates generally to the field of shared processing computer systems and specifically to the ster system parallel processing using idle microprocessors in peripheral devices.]
communication data	e would exist in a typical network environment, specifically in multi-protocol or multi-layered paths that require translation into alternative protocols to other data paths.
4. Background: De systems typically con of the personal com	escribe the problem that is to be solved by the Invention. [Example: Modern small computer is insist of a personal computer and several peripheral devices. Oftentimes, the processing capability puter is insufficient for a desired processing task, even though additional unused processing incroprocessors of peripheral devices such as laser printers connected to the personal computer.]
tool for product deve	y to observe data communications for different communication protocols would be an invaluable elopment, the test and verification of numerous communication protocols during the translation identify the type of protocols that are currently operational in a network environment.
Also describe previo processing capabilit computer's current t	ns: Describe what solutions to this problem have been tried before, and why they are inadequate. The shown solutions to similar or related problems. [Example: One existing method of increasing by is for a networked personal computer to request other connected computers to help process the ask. However, this scheme requires a network of personal computers, assumes that other excess processing capacity to share, and suffers from slow transfer over network data paths.] None
<u> </u>	

6. Summary of the Invention: Describe in clear and simple terms how you solve the problem. Attach block or schematic diagrams, state diagrams, flow charts, or any other graphics that will make the Invention easier to understand. Pay particular attention to what is unique about the Invention. [Example: The current invention makes use of the fact that personal computers are often connected to peripheral devices having their own microprocessors. In accordance with the invention, a personal computer identifies any attached "smart" peripheral, determines what processing capabilities the peripheral has, and sends data to the peripheral causing it to perform some of the data processing that would otherwise be done by the personal computer. The peripheral is essentially "tricked" into performing this data processing and sending back the results. The invention will be implemented entirely through software.]

A PC or a scaled down intelligent device with the correct physical interfaces to the communication protocols

(Protocol #1, Protocol #2, Protocol #3, etc.) will be used to receive incoming transmissions to the router product and outgoing transmissions from the router product under analysis. The network analyzer will receive Protocol #1, verifies if correct and forward to the routing product. After the routing product has performed the data packet translation into Protocol #2 and sends it out, the analyzer receives it, verifies if correct and forwards to receiving device out on network Protocol #2. Repeat process for Protocols #3 and so on. Any errors will be noted and saved in an appropriate manner.

The goal will be to test each messaging service to verify functionality, translation, error handling, etc. To verify Network Router initiator mode functionality, this configuration is designed with a host PC emulating initiator services to the Network Router initiator node under test. The host PC is also emulating an network sniffer, receiving and identifying network commands before forwarding them to the network router target. Target mode can be tested in reverse order.



7. Advantages: How does the Invention create value, whether to an end user, an OEM, or directly to Crossroads? What is the Invention's purpose and practical use? [Example: Through this invention, the data processing capabilities of existing hardware can be extended by using idle peripheral device microprocessors. Customers can better justify buying a new and expensive printer if they can boost the capabilities of their existing personal computer as well.]

This invention would directly impact the verification and testing of network router products by measuring the reliability of the translation of a communication protocol to other protocols, isolating data I/O corruption issues within the scope of the router product, and decreasing the time required for product testing.

8. Disclosure Outside of Crossroads: Has the Invention been offered for sale) in any way? If so, give dates and details. If no disclosure/commercialization? [Example: No disclosure outside present a paper outlining the invention at a conference in three customers regarding this invention during the next quarter. It months.]	t, what is the current schedule for le of Crossroads has yet been made, but I would like to see months. Current plans are to start contacting OEM
	No
9. Inventorship: Everyone contributing to the Invention shoul whether someone qualifies as an inventor, describe what that public	
Signature of Person Preparing this Form:	
Name (printed) of Person Preparing this Form: David Lee	
Date Prepared: 11/29/99	
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Please forward both parts of this form	to
- .	



Crossroads Systems, Inc.

INVENTION DISCLOSURE FORM PART TWO

Part Two is to be filled out whenever it is likely that Crossroads will seek a patent for an Invention. The information requested in Part Two arises largely from requirements of the U.S. Patent law. Of particular importance are the requirements that: 1) the Invention has not been described in any published document more than one year before the patent application filing date; and ii) the Invention has not been used or known by the public, or on sale, more than one year before the patent application filing date. The law is clear in stating that each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Patent Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability. In light of these legal requirements, please complete Part Two carefully and completely.

1. Inventors' Information (for each inventor):
Full Name: David Lee
Home Address (Street, P.O. and County): P.O. Box 203805 Austin, TX
Citizenship: USA
2. Invention Dates:
Invention first thought of on: September 1999
Date and present location of first written descriptions, drawings, or diagrams: November 1999
Date:, 19_; Location: Crossroads Systems, Inc. Austin, TX USA
Invention first implemented on: 19 (write N/A if invention has not yet been implemented)
Prototype/sample program first completed on: November , 1999
Prototype/sample program first tested on: November , 1999
3. Disclosure Dates:
Date and location of first description, showing, or demonstration of Invention, or prototype/product/program embodying
it, to other Crossroads personnel is:
Date:, 19
Location:
Circumstances:
Anticipated or actual date and location of first announcement, publication, description, or other disclosure of information relating to Invention is: Date:
Anticipated or actual date and location of first showing or demonstration of Invention, or prototype/product/program embodying it, to someone outside Crossroads is: Date:
Please advise immediately when a product containing the Invention
is to be shown, described, or advertised to anyone outside of Crossroads, even on a confidential basis.
FAILURE TO DO SO MAY CAUSE FORFEITURE OF IMPORTANT PATENT RIGHTS.

Date:	, 19		
Location:			
Circumstances:			
5. Contracts Involving the work on a U.S. Government company or individual?	e Government or Other Compatte contract or other contract between	anies: Was the invention made during concerns and another	ng the course of your
ompany or moroidans	YES	Уом	
f the invention, or any part urnished under contract to	of it, to be included in any mater the U.S. Government, or another	ials (including proposals and produc company or individual?	ts) furnished or to be
	YES	Уо√	
5.6. Previous Solutions: E List those that you think are his form. <u>none</u>	riefly describe products and puble most similar to your Invention f	ications similar to the invention. irst. Include copies of any relevant v	ritten materials with
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One, please list the corrected of the co	ct information below.] Describe pages if necessary, and include may be useful in explaining th alternative ways of building and we to be novel as well as those butors must sign below. (Attach a ; Print Name: David Lea	the invention in detail below. Pleopies of lab notebooks, computer to Invention. Describe your prefer operating the Invention. In describe you think are conventional. (Attack deditional pages, if necessary.) 1. **Example 1. **Conventional** 1. **Conventional pages of the page 1. **Conventional page	ease provide an overa printouts, diagrams, an red embodiment of the bing the Invention, no
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One, please list the correlescription, using separate my other documents that invention as well as any which elements you beliew. 3. Inventors(s): All contributions as the contribution of the contribution	ct information below.] Describe pages if necessary, and include may be useful in explaining the alternative ways of building and we to be novel as well as those butors must sign below. (Attach a ; Print Name: David Lea ; Print Name:	the invention in detail below. Pleopies of lab notebooks, computer to Invention. Describe your prefer operating the Invention. In descripyon think are conventional. (Attack details of the property of the property of the inventional of the property of the	ease provide an overa printouts, diagrams, ar red embodiment of the bing the Invention, no

EACH ADDITIONAL PAGE SHOULD BE SIGNED AND DATED AT THE BOTTOM BY THE INVENTOR(S) AND WITNESS(ES).

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